



Department of Fish and Game
Habitat and Restoration Division

Important to Anadromous Fish

Region

10

USGS Quad

Cordova (B4), Alaska

Anadromous Water Catalog Number of Waterway

212-20-10010-2041-3010

Name of Waterway

East Fork Mile 18



USGS Name



Local Name



Addition



Deletion



Correction



Backup Information

For Office Use

Nomination #

99 214

Revision Year:

00

Revision to:

Atlas

Catalog

Both

X

Revision Code:

B-1

Regional Supervisor

Date

4/3/00

AWC Project Biologist

Date

3/22/00

Drafted

Date

5/1/00

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
CT	05/27/99			X	<input checked="" type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>

IMPORTANT: Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Comments:

This year's redd searches yielded several cutthroat trout redds in this fork as well as in 2 small tributaries, My LBS Creek and Your LBS Creek. Only one 10" cutthroat was observed in pool above Dead Tree Pond. In past studies ('95-'97), cutthroat trout tagged w/ radio transmitters have been tracked to this pool, and subsequently to redds in the area. The farthest reached a radio-tagged cutthroat has been located is marked w/ an "X" on the map. Radio-tracked fish that spawned in this system headed to sea, signal lost presumably to saltwater, and were relocated upon return on the Lower Delta.

Name of Observer (please print):

Ken Hodges

Signature:

[Signature]

Date: 9/3/99

Address:

Cordova Ranger District
Chugach National Forest
P.O. Box 280
Cordova, Alaska 99574

This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes per AS 16.05.870.

Signature of Area Biologist:

[Signature]

Revision 3/97

ALASKA DEPT. OF FISH & GAME
OCT 22 1999
REGION II
HABITAT AND RESTORATION
DIVISION

YOUR LITTLE BULLSHIT CREEK

- 1995 radiochecked fish spawned in this creek

APRIL 21, 1998 Hodges and Lang began cutthroat survey at the mouth and ended approximately 1 mile upstream from dead tree pond. Saw 1 7 inch cut in tail out of pool 1/8 of a mile from the pond. Another 5 inch cutthroat was spotted in pool 1/4 mile from pond. No other fish were seen and no redds were counted. H2O temp was 4 C. Good flow in creek this year, pools with good cover and spawning gravels present. A few juvenile fish were seen in pools. Surprised not to see adult spawners in this area.

May 7, 1998. D. Lang began cutthroat trout survey at the mouth of creek. About 1/3 mile from mouth saw one 7 inch cutthroat swimming upstream at rapid pace. Two more cutts were seen 1/2 - 2/3 mile from the mouth. Fish were about 8-10 inches and also moving upstream. 3/4 to 1 mile upstream a redd was identified. Classic redd in pool tail out with large clean gravels in a distinct pit and small pea size gravels mounded up downstream of pit. H2O temp=4.5 C, flow= 0.3 ft/sec, size=2 ft x 2ft, depth= 6in(pit), 3in(tail). Gravels slightly higher sediment content than typical with large percentage of surface fines. Ended survey at source of creek which is a large open muskeg bog. No fish seen in last 1/3 mile of creek.

May 27, 1999. D. Lang began cutthroat trout survey at the mouth of the creek. About 1/4 mile from the mouth saw two small redds, each in a separate pool, both in tail outs, with pea and medium sized gravel substrates. Lots of small fish observed darting around in pools, presumably coho juveniles and recently emergent coho fry. In lower section about 1/3 of a mile upstream saw two 4 inch cutthroat trout, in separate pools, not on redds or near ones mentioned previously. Approximately 200 feet upstream of these fish a 10 inch cut was observed in a pool, but no redds were seen. Another 30 feet upstream a very well defined redd with a 4 inch cut in the pool was observed. Pictures were taken of the redd, see roll #2 1999 pictures 15 and 16. Many small juvenile fish and emergent fry were seen in the section up to the first major open canopy, muskeg meander bend approximately 1/2 mile upstream. No cuts positively identified in segment between muskeg and old trail/bridge crossing, but several small juvenile fish were observed darting around in the pools. Flows appeared to be lower than last years survey, with some pools not affording much cover at all, undercut banks being the most important cover. Approximately 1 mile from mouth, one 9 inch cut seen in very shallow corner pool and riffle, possibly moving upstream. One four inch cut in riffle about 60 ft above pool where 9 inch fish was seen. just above steep gradient section before creek ends in muskeg bog, saw one well defined redd in pool tail out in front of log, see picture 17. Ended survey in muskeg where creek disappears.

MY LITTLE BULLSHIT CREEK

April 21, 1998 Hodges and lang began cutthroat survey at muskeg trail crossing creek about 3/4 of mile from confluence with East Fork of Mile 18 stream. Ended survey at this point. Weather was clear and sunny providing excellent viewing conditions. No fish were seen, habitat marginal with high gradients = 3-4 % and large substrate cobbles and small boulders. Not really good spawning habitat. Cuts have been seen here in past, and Coho are here in the fall.

May 7 1998. D. Lang began cutthroat trout survey just above muskeg trail crossing creek. Walked upstream from this location for 1 1/4 mile where barrier to fish passage exists. Walked another 300ft above barrier to see if any fish were present there, none were seen. No adult cutthroat spawning fish seen below falls either. Gravels angular shale rather than rounded pea shaped. Flows were high, larger creek than most of the others where cutts have been observed spawning this year. Ave width 7 ft BF and in some areas gets widened and shallowed from bedload material accumulation. Upper section about 3/4

DIRK LANG 424 4721

mile from trail crossing becomes A channel, confined valley with high gradients >4% and a 6 ft rise/run fall that would be a barrier to fish passage, No pool at base and no resting pools above, below, during jump.

5/27/99 Hodges 6" cutt in plateau area above trail crossing. About 20 ft away from possible redd near end of pool. Other possible redds in this area but very marginal. Small cutt-size eggs on bank just downstream from area where creek runs along large muskeg to the left. Probably a mink kill, no carcass. Coho carcass downstream from this area. 200 yards into meadow heard a splash that may have been a good size fish. No redds in this area, gravels sedimented 20-25%. Gradient other factors suitable.

EAST FORK MILE 18

April 21, 1998. Hodges and Lang began cutthroat survey at confluence with My Little Bullshit Creek and walked upstream for approximately 1/2 mile. No fish were seen. Good habitat exists with nice tail outs and clean small gravels available for spawning. Stream is much larger= 25 ft width than those which we have observed cutts spawning in thus far this year. Continued survey downstream to the culvert where copper river highway crosses Mile 18 creek. No fish seen here either, even in places where they have been known to congregate and spawn in the past. May be possible that cutts are higher up in the drainage due to excessive flows occurring this spring with high rainfall totals.

April 24, 1998. D Lang and S. Greenwood began cutthroat spawners survey at the culvert where Mile 18 crosses the Copper River Highway. Walked downstream to Junction with Middle Fork Mile 18. Spotted two redds and one incomplete looking redd about 1/2 mile down from copper river hwy crossing. approximately in the same locations that redds were observed in the past, last year particularly. Redds were large in size 5 ft by 5 ft dimensions. all located in pool tail outs with small to medium sized gravels. No fish were seen in the areas or throughout rest of surveys.

5/27/99 Hodges and Cross up to MLBS Creek, Cross on up to top. One 10" fish above delta section above Dead Tree Pond. At pool where we had tracked other fish. Possibly others in pool. No other fish seen. No redds.

MIDDLE FORK MILE 18 CREEK

APRIL 24, 1998 LANG AND GREENWOOD. Began survey at the junction with the east Fork of the Mile 18 stream system. walked upstream from junction to the first large beaver dam. No fish or redds were seen.

WEST FORK MILE 18

April 24, 1998. Lang and Greenwood. Began survey at the junction of Middle fork Mile 18 creek. Ended at face of first large beaver dam approximately 1/2 mile upstream. No fish were seen no redds.

UNITED STATES
DEPARTMENT OF AGRICULTURE
FOREST SERVICE

AQQ CTS to Stream

212-10-10010-2041-3010

CORDOVA B-4 QUADRANGLE
ALASKA

2041 old #

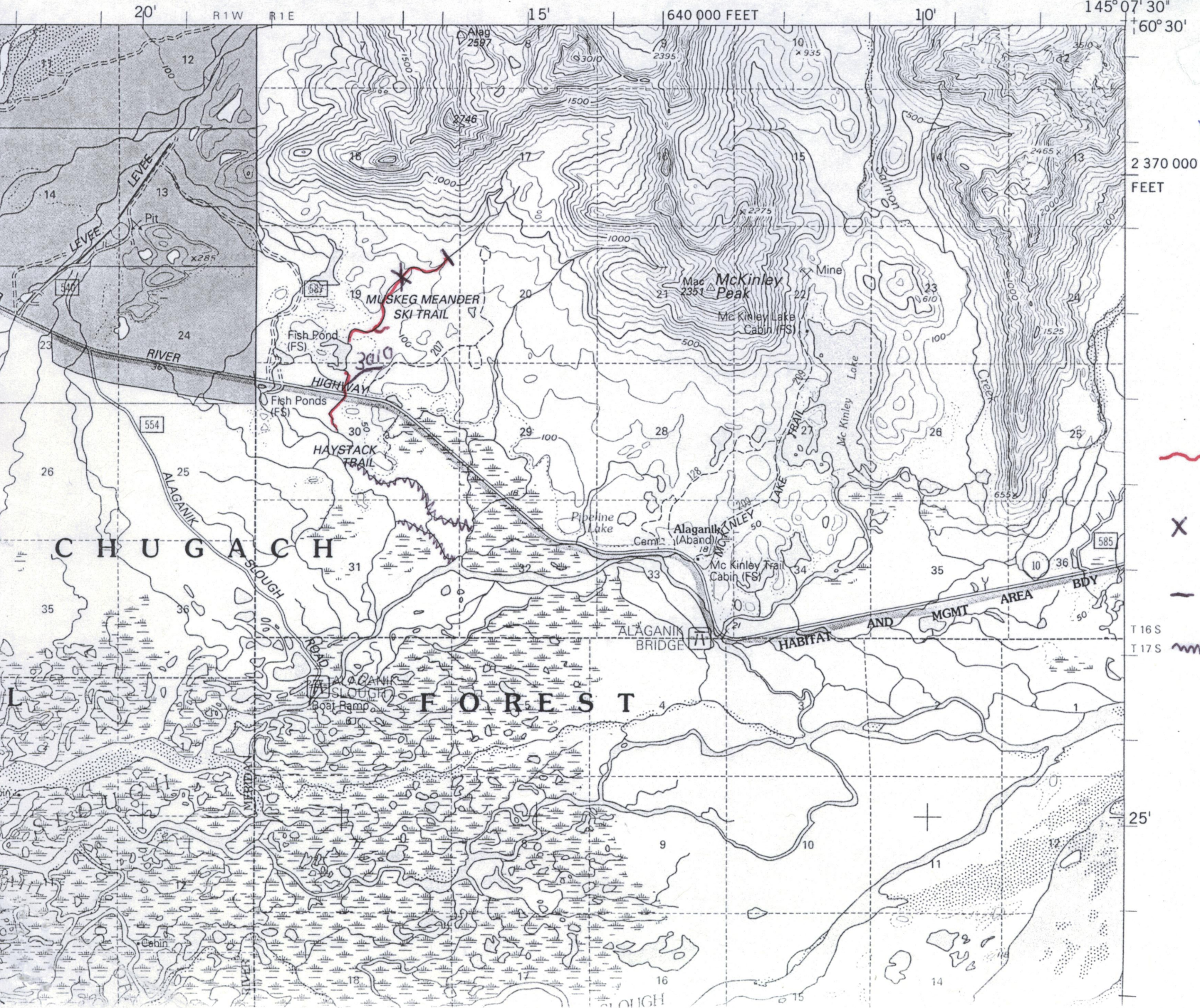
1:63 360 SERIES (TOPOGRAPHIC)

145° 07' 30"

60° 30'

2 370 000
FEET

Look @ Stream
Reddents



East Fork of 18 mile

X Radio-tagged Cutthroat
redd found

Barrier

No longer Exists